



FIGURE 1A

SEQ ID NO:06	**** * * ** ***** ** **** ** *	MASSTGGLDH-----GFTF-TPPPFTTSFTTELLSGGGDLLGAGGEERSPRGFSRGG	** *
SEQ ID NO:08		MASSTGGLDH-----GFTF-TPPPFTTSFTTELLSGGGDLLGAGGEERSPRGFSRGG	
SEQ ID NO:10		MASSGSLDTSASANSFTNFTSTHFMTTFSFDLLASP---LDNNKPPQGGL-----S	
SEQ ID NO:13		MAASSGTIDAPTASSSFS---FSTASSFMSSFTDLLASD---AYSGGSVSRGLG-DRIA	
		1	60
SEQ ID NO:06	* * ***** ***** * ***** ***** ** ** **	ARVGGGVPKFKSAQPPSLPLSPPPVSPSSYFAIPPGLSPTTELLDSPVLLSSSHILAFPTT	
SEQ ID NO:08		ARVGGGVPKFKSAQPPSLPLSPPPVSPSSYFAIPPGLSPTTELLDSPVLLSSSHILASPTT	
SEQ ID NO:10		ERTGSGVPKFKSTPPPSLPLSPPIISPSSYFAIPPGLSPAELLDSPVLLNSSNILPSPTT	
SEQ ID NO:13		ERTGSGVPKFKSLPPPSLPLSSPAVSPSSYFAFPGLSPSELLDSPVLLSSSNILPSPTT	
		61	120
SEQ ID NO:06	* ** **	GAI PAQRYDWKASA---DLIASQQDDSRGDFSFHTNSDAMAAQPASFPs-----	*
SEQ ID NO:08		GAI PAQRYDWKASA---DLIASQQDDSRGDFSFHTNSDAMAAQPASFPs-----	
SEQ ID NO:10		GAFVAQSFNWKSSSGGNQIIVKEEDKSFNFSFQTRSGPPASSTATYQSSNVTVQTQQPW	
SEQ ID NO:13		GTFFPAQTFNWKNDNSAQEDVKQEEKGYPDFSFQT-----NSASMTLN-----	
		121	180
SEQ ID NO:06	* * *	-FKEQEQQVVESSKNG-----AAAASSNKSGG-----	* * *
SEQ ID NO:08		-FKEQEQQVVESSKNG-----AAAASSNKSGG-----	
SEQ ID NO:10		SFQEATKQDNFSSGKGMKMTENSSSMQSFSPeIASVQ-TNHSNGFQSDYGNYP-----PQS	
SEQ ID NO:13		-YEDSKRKDELNS-----LQSLPPVTSTQMSSQNNG--GSYSEYNNQCCPPS	
		181	240



FIGURE 1B

SEQ ID NO:06	***	*****	*****	*	*****	*****	*****	***
SEQ ID NO:08		---GGNNKLEDGYNWRKYGQKQVKGSENPRSYKCTYNGCSMKKKVERSLADGRITQIVY						
SEQ ID NO:10		---GGNNKLEDGYNWRKYGQKQVKGSENPRSYKCTYNGCSMKKKVERSLADGRITQIVY						
SEQ ID NO:13		QTL- -RRSDDGYNWRKYGQKQVKGSENPRSYKCTYPNCPTKKKVERSL-DGQITEIVY						
		QTLREQRRSDDGYNWRKYGQKQVKGSENPRSYKCTHPNCPTKKKVERAL-DGQITEIVY						300
		241						
SEQ ID NO:06	**	*****	*	**	*			*
SEQ ID NO:08		KGAHNHPKPLSTAATPLPAPPPPA-----PTTSRRPARARTSTPPRRPRT						
SEQ ID NO:10		KGAHNHPKPLSTRRNASSCATAAAC-----ADDLAAPGAGADQYSAATPENS						
SEQ ID NO:13		KGTHNHPKPKQNTRRNSSNS- - - -SSLAIPHSNSIRTEIPDQSYATHSGQMDSAATPENS						
		KGAHNHPKPKQSTRSSSTASSASTLAAQSYNAPASDVPDQSYWSNGNGQMDSVATPENS						301
		301						
SEQ ID NO:06		*****	**	*	*	*****	*	*****
SEQ ID NO:08		PSRSATTTRPTTHRTAARA-----TSPKPSAGKEDADNEGSSGGMGAGGAGGNPVREPR						
SEQ ID NO:10		SVTFGDDDEADNASHRSEG-----DEPEAKRWKEDADNEGSSGGMGAGGAGKPVREPR						
SEQ ID NO:13		SISIGDDDFEQSSQCKSGGDEYDEDEPDAKRWKIEGENEGMSA-----PGSRTVREPR						
		SISVGDDDFEQSSQKRESGGDEFDEDEPDAKRWKVENEGVSA-----QGSRTVREPR						420
		361						
SEQ ID NO:06	****	*****	*	*****	*****	*****	*****	*
SEQ ID NO:08		VVQTLSDIDILDNNGFRWRKYGQKVVKGPNPRSYKCTTVGCPVRKHVERASHDTRAVIT						
SEQ ID NO:10		VVQTLSDIDILDDGFRWRKYGQKVVKGPNPRSYKCTTVGCPVRKHVERASHDTRAVIT						
SEQ ID NO:13		VVQTTSDIDILDDGYRWRKYGQKVVKGPNPRSYKCTHPGCPVRKHVERASHDLRAVIT						
		VVQTTSDIDILDDGYRWRKYGQKVVKGPNPRSYKCTSQGCPVRKHVERASHDIRSVIT						480
		421						

FIGURE 1C

SEQ ID	NO:	06	08	10	13
SEQ ID NO: 06	TYEGKHNH	DPV - RPRRRRT	PGAGVAYGWGR	-----	-----SGPTDV
SEQ ID NO: 08	TYEGKHNH	DPV - GRGGGG	RAPAPPTSGA	-----	-----IRPSAV
SEQ ID NO: 10	TYEGKHNH	DPVPAARGSG	SHSVNRPMPN	NAASHHTNTAA	TSVRLLPVHQSDNSLQNR
SEQ ID NO: 13	TYEGKHNH	DPVPAARGSG	SHGLNRG - ANP	NNNAAMAMAI	RPSTMSLQSNYPPIPISTRPMQ

SEQ ID NO:	Sequence	Length
06	AAAQQCPYTLEMLPNPAGL-YGGYGAGA-----GGAAFP-RTKDERRDDL FVESLLC	600
08	AAAQQCPYTLEMLPNPAGL-YGGYGAGA-----GGAAFP-RTKDERRDDL FVESLLC	600
10	PPEGQSPFTLEMLQSPGSFGFSGFGNPMQSYVNQQQLSDNVFSSRTKEEPRDDMFLESLLC	600
13	QGEQQAPY--EMLQSGSGFGFSGFGNPMNAYANQIQ--DNAFS-RAKEEPRDDLFLDTLLA	541